

Global Trends in Government eLearning

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Agenda

- ❑ **Overarching themes, issues and developments**
- ❑ **Global Perspective**
 - **Key global trends**
 - **Developments in industrialized world**
 - **Issues and developments in developing world**
- ❑ **U.S. Perspective**
 - **Milestones in Federal Use of eLearning**
 - **Recent Trends and Initiatives**
 - **Legislative Developments**



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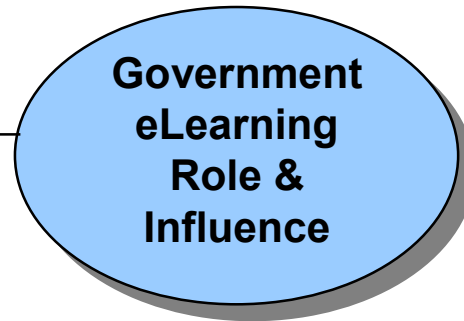




Extensive reach and scope

Objective:

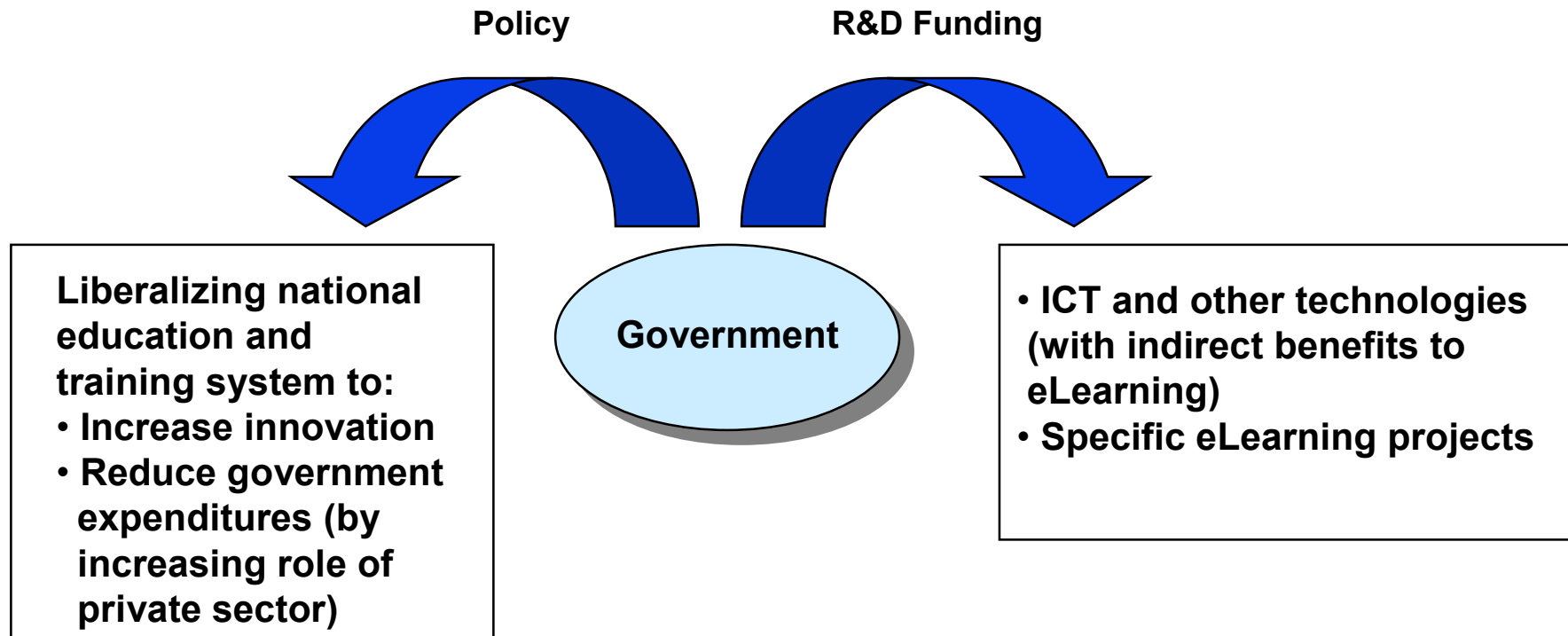
- Stimulate social & economic development
- Improve efficiency of government operations
- Bridging Urban-Rural Divide (*location-driven*)
- Bridging Digital-Divide (*income-driven*)



eLearning Adoption

- Internal use of eLearning in government agencies
- Support for eLearning in schools and universities (at federal, state and local level)
- Support for life long learning (adults)
- Support for eLearning Research & Development
- Funding of eLearning programs of World Bank and regional development banks

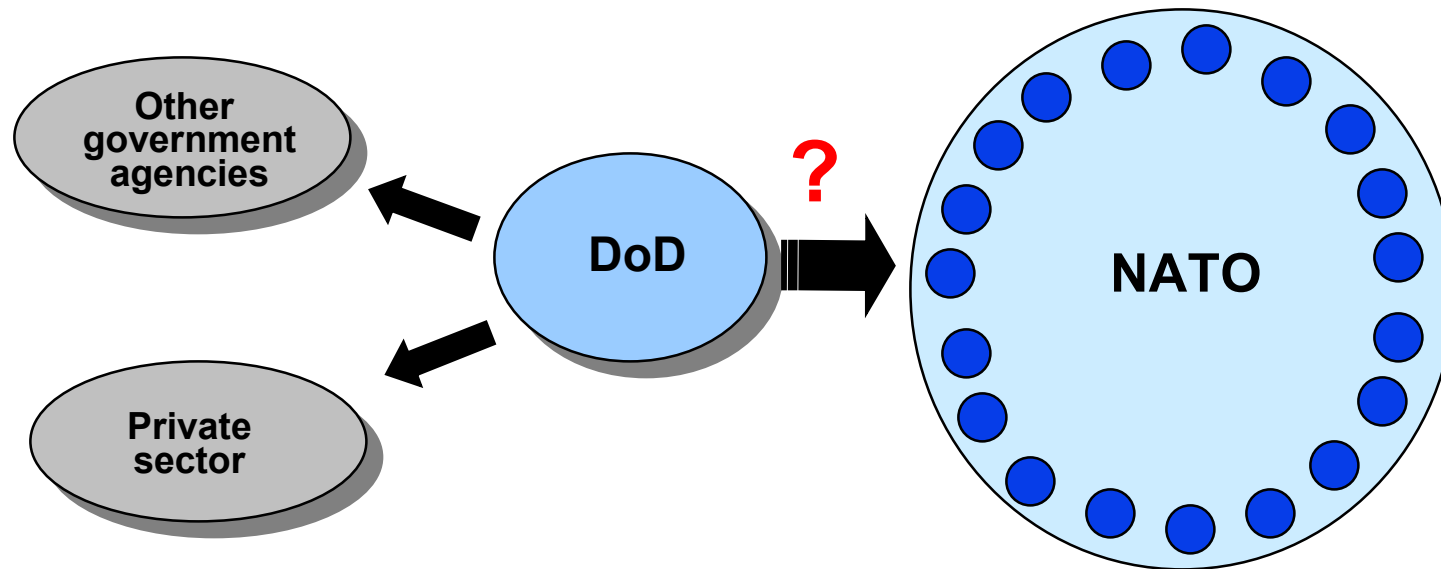
Direct or indirect influence



ICT: Information, Communications and Telecommunications

Overarching themes, issues and developments

Department of Defense as early adopter & catalyst

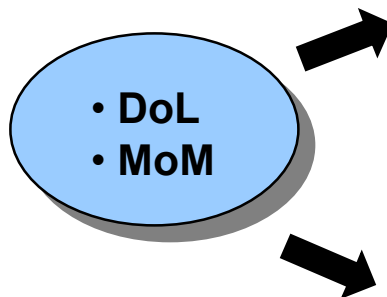


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Department/Ministry of Labor/Manpower: Another catalyst



America's Learning Exchange

- A browser-enabled user interface
- A set of interconnected content databases
- An undergirding application layer, structured around an expert system





Key Global Trends

- ❑ **Growing Government recognition of *needs & opportunities* in eLearning**
 - **Reduced costs; extended training reach; improved time-to-competency; etc.**
 - **Supporting emerging growth sector; export education & training services; eLearning as new form of foreign aid**
 - **Increase flexibility and range of choice in learning opportunities; support life-long-learning**



Key Global Trends, Cont'd

- ❑ **Growth in public-private eLearning partnerships**
 - **Government recognizing benefits of leveraging private sector expertise, technology and capital**
 - **Reduces public sector investments**
 - **Accomplish public policy goals more effectively and efficiently**
 - **Easier to gain political support for public-private initiatives**





Key Global Trends, Cont'd

Indirect channel of influence of governments on eLearning initiatives:

- ❑ **Growing role of World Bank, regional development banks and other NGOs in eLearning**
 - **Recognizing need to support human capital development as key to sustainable economic development**
 - **eLearning enables easier and better utilization of distributed knowledge resources**
 - **Shift from television-based distance learning to eLearning with greater opportunities for collaboration and interaction**



EU Commission: Catalyzing eLearning across EU?



- ❑ Has potential for boosting interest and investment in eLearning through its role in policy and R&D
- ❑ Numerous channels of influence, including:
 - eLearning initiative under its “eEurope” group of projects
 - As part of Socrates & Leonardo da Vinci programs
 - As part of Eureka research program

- Comprehensive integration of ICT into education & training
- Create flexible infrastructures that will make eLearning available to all
- Promote universal digital literacy
- Create culture of lifelong learning
- Develop high quality European educational content



UK: Setting the pace

❑ University for Industry (UFI):

- *LearnDirect Web site*: Delivering work-related content to consumers and corporations (Sainsbury, Unipart, ...)
- *LearnDirect Futures*: Online career advice service
- *Learning Centers*: Operating over 1200 learning centers

❑ eUniversity — Goals include:

- Expand UK global market for higher education (HE) eLearning
- Provide new ways of delivering HE in the UK
- Encourage new thinking and new approaches to HE in the UK
- Create opportunities for private-public partnerships in eLearning



Germany: Awakening eLearning Giant



- ❑ **Dramatic educational reforms good sign for future eLearning growth and opportunities**
- ❑ **“Lifelong Learning as Utility” (L3):**
 - **Goal: Create organizational and technical infrastructure enabling everybody to continue learning throughout their careers (similar to nkn in Norway and UFI in UK)**
 - **Hybrid model with physical centers and online learning resources and administrative facilities**
 - **Government has spent \$20 million to date on pilot program**
 - **Also intended to help create national eLearning champion?**



Developing World: eLearning to bridge knowledge gaps



- ❑ **OECD countries, World Bank, regional development banks and others offering assistance to build networks and create appropriate content**
- ❑ **Multinational companies and government agencies as early adopters of eLearning**
- ❑ **Growing interest by eLearning companies around the world in serving emerging markets**
- ❑ **Challenge: Dealing with slow bureaucracies**





Selected development networks

- ❑ **World Bank: Embracing eLearning to meet training needs**
- ❑ **Growing use of Web and eLearning by global development networks, including:**
 - **Global Gateway**
 - **Global Development Learning Network**
 - **Global Knowledge Partnership**





Proliferation of Virtual Universities

- ❑ **Southeast Asian Ministers of Education Organization developing project for Virtual Campus System**
- ❑ **Open University of Catalonia (six-year-old virtual university in Barcelona) linking up with university in Argentina**
- ❑ **Growing African Virtual University**
- ❑ **Tunisian Virtual University collaborating with North American and European universities**





China: The new eLearning frontier

- ❑ 38 universities have so far been authorized to run online education; 22,400 undergraduate students enrolled in online programs*
- ❑ Plans for over 100 universities offering online programs in 5 years, with 4 million students*
- ❑ Financial sector, telecommunications and other sectors planning eLearning programs
- ❑ Numerous universities and eLearning companies making collaborative deals



* Source: Zhu Zhiting; Professor, East China Normal University

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U.S. Historical Milestones

- ❑ **Armed Forces/DoD an Early Adopter/Innovator**
- ❑ **ADL Initiative (launched 1997) nurtured industry**
- ❑ **1999 Executive Order jumpstarted Agency adoption**
- ❑ **Web-based Education Commission put eLearning on education policy agenda**





U.S. Perspective: History

Federal eLearning Initiatives

- ❑ **America's Learning Exchange (ALX)**
- ❑ **Federal Learning Exchange (FLX)**
- ❑ **FasTrac**
- ❑ **Graduate School, USDA**
- ❑ **Other agency initiatives underway include IRS, GSA, HHS**



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High Adoption by Agencies



❑ **ASTD Study:**

- **71% of agencies will use Internet to deliver learning in 2002; 78% will use intranets**

❑ ***Government Computer News Survey:***

- **71% say their agency offers eLearning**
- **61% say they have taken online course**





U.S. Perspective: Recent Trends

Armed Forces Initiatives

- ❑ **eArmyU (announced Dec 2000)**
 - **Largest eLearning Initiative to date**
 - **Coalition of vendors led by PwC**
- ❑ **Navy eLearning (launched May 2001)**
 - **1.2 million learners**
 - **Portal hosted/managed by ThinQ**
- ❑ **National Guard DTTP Project**



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U.S. Perspective: Recent Trends

Federal Research Support for eLearning

NIST

- **Convergent Information Systems Division**
- **Advanced Technologies Program**

ADL

- **SCORM**
- **Customized Learning Experience Online (CLEO) Lab**



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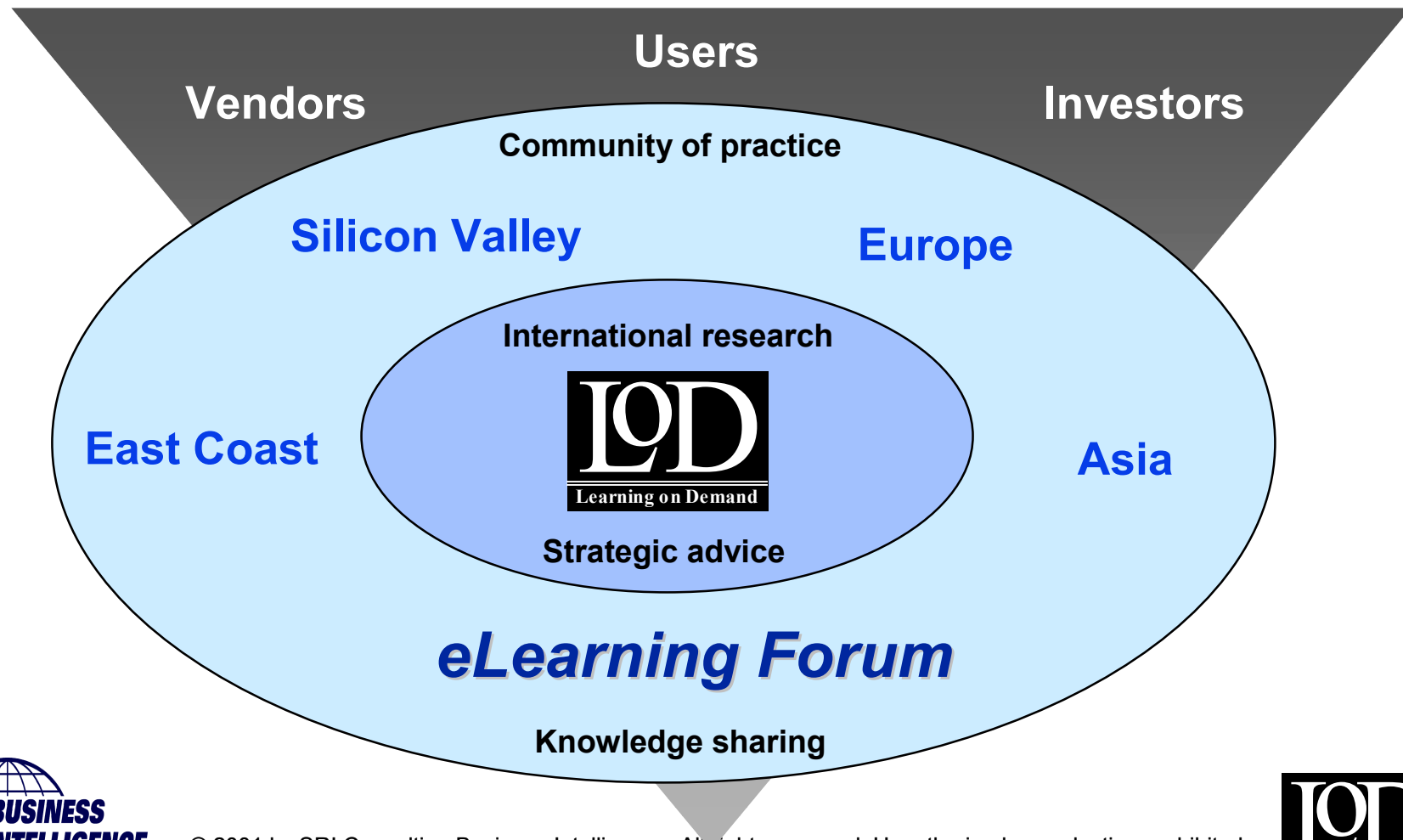
Legislative Initiatives



- ❑ **HR 1992 "The Internet Equity and Education Act of 2001"**
 - Would lower barriers to higher-education eLearning
 - Approved by House in early October
- ❑ **S 487 "Technology, Education, and Copyright Harmonization (TEACH) Act of 2001"**
 - Eases copyright restrictions that hamper eLearning in K-12
 - Passed Senate in September

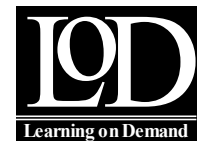


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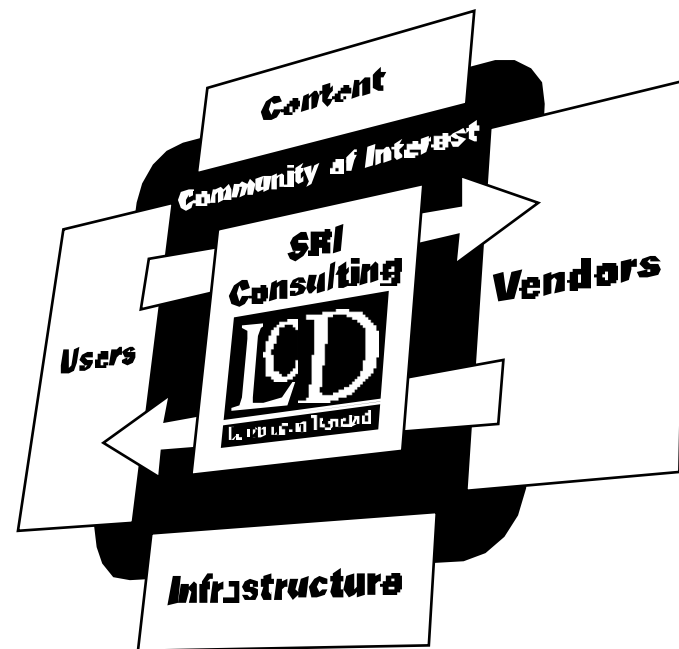
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